

WHAT IS CLAIMED IS:

1. A method for producing silicone particles where said method comprises emulsifying and reacting a composition comprising

(I) a siloxane oligomer or polymer having units of



where each Y is independently selected from

R': an alkyl group with 1 to 30 C atoms, an aryl group having 6 to 15 carbon atoms, an alkaryl group having 6 to 15 carbon atoms, and an aralkyl group having 6 to 15 carbon atoms;

Z: a reactive group selected from epoxy-functional groups or chlorohydrin functional groups;

Z': a functional group that reacts with epoxy-functional groups or chlorohydrin functional groups (i.e. amine, hydroxyl);

F: a functional group other than Z or Z', and

O (oxygen radicals);

with the proviso that at least 50 mol% of the Y groups in the siloxane are R', and there are at least two Z and/or Z' groups in the siloxane;

(II) a crosslinker wherein said crosslinker contains Z and/or Z' groups with the proviso that when Y in siloxane (I) contains Z groups, the crosslinker contains Z' groups; when Y in siloxane (I) contains Z' groups, the crosslinker contains Z groups; and when Y in siloxane (I) contains Z and Z' groups, the crosslinker contains Z groups, Z' groups or both;

(III) at least one emulsion liquid;

(IV) a surfactant; and

(V) and active ingredient.

2. The method as claimed in claim 1 wherein in siloxane (I) there are at least two Z' groups and the crosslinker (II) contains Z groups.

3. The method as claimed in claim 1 wherein in siloxane (I) there are at least two Z groups and the crosslinker contains (II) Z' groups.

4. The method as claimed in claim 1 wherein R' is a methyl group.
8. The method as claimed in claim 2 wherein the Z' group is an amine group and Z is an epoxy group.
9. The method as claimed in claim 3 wherein Z epoxy group and Z' is an amine group.
10. The method as claimed in claim 1 wherein siloxane (I) and crosslinker (II) are present in an amount to provide a ratio reactive sites in Z to Z' in a range of 0.1:1 to 1.5:1.
11. The method as claimed in claim 10 wherein the ratio in the range of 0.2:1 to 0.5:1.
12. The method as claimed in claim 10 wherein the ratio in the range of 0.25:1 to 0.35:1.
13. The method as claimed in claim 1 wherein siloxane (I) and crosslinker (II) are present in an amount so that the silicone particle comprises 0.1 to 80 wt. % of the composition.
14. The method as claimed in claim 1 where the emulsion liquid is water.
15. The method as claimed in claim 14 wherein water comprises 1 to 99.8 wt. % of the composition.
16. The method as claimed in claim 1 wherein the surfactant is present in an amount of 0.1 to 40 wt. % of the composition.
17. The method as claimed in claim 1 wherein the active ingredient is present in an amount of 10 to 50 wt. % of the composition.
18. The method as claimed in claim 1 wherein the active ingredient is a sunscreen.
19. The method as claimed in claim 1 wherein the active ingredient is a fragrance.
20. The method as claimed in claim 1 wherein the active ingredient reacts with the siloxane (I) and/or crosslinker (II).

21. The method as claimed in claim 1 wherein a first mixture comprising (II) and (V) is combined with a second mixture comprising (I), (III) and (IV) the combined mixture is thereafter emulsified and reacted.
22. The method as claimed in claim 1 wherein the reaction is carried out at a temperature in the range of 25°C to 150°C.
23. A silicone particle produced by emulsifying and reacting a composition comprising
(I) a siloxane oligomer or polymer having units of



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O (oxygen radicals);

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(II) a crosslinker wherein said crosslinker contains Z and/or Z' groups with the proviso that when Y in siloxane (I) contains Z groups, the crosslinker contains Z' groups; when Y in siloxane (I) contains Z' groups, the crosslinker contains Z groups; and when Y in siloxane (I) contains Z and Z' groups, the crosslinker contains Z group, Z' groups or both;

(III) at least one emulsion liquid;

(IV) a surfactant; and

(V) and active ingredient.